

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/00484

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: F02B 33/40, 33/44, 37/00, F01P 3/12, F02M 35/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI: IPC: F02B 29/04, 33/00, 33/32, 33/34, 33/40, 33/44, 37/-, 39/00, 39/16, F01P 3/12, F02M 35/-, F01N 3/06 with keywords

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Derwent Abstract Accession No. 99-164262/14, Class Q51, Q52, JP 11022474 A (MITSUBISHI JUKOGYO KK) 26 January 1999 and JP 11-22474 A Abstract and drawings	1, 2, 4, 5
X	US 4187678 A (HERENIUS) 12 February 1980 Whole document	1, 2, 5
X	DE 3439738 A1 (MTU MOTOREN- UND TURBINEN-UNION FREIDRICHSHAFEN GMBH) 30 April 1986 Whole document	1,5

☒ Further documents are listed in the continuation of Box C ☒ See patent family annex

- ° Special categories of cited documents:
- °A° document defining the general state of the art which is not considered to be of particular relevance
 - °B° earlier application or patent but published on or after the international filing date
 - °L° document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
 - °O° document referring to an oral disclosure, use, exhibition or other means
 - °P° document published prior to the international filing date but later than the priority date claimed
 - °T° later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 - °X° document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 - °Y° document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
 - °Z° document member of the same patent family

Date of the actual completion of the international search
22 May 2003

Date of mailing of the international search report

29 MAY 2003

Name and mailing address of the ISA/AU

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5528902 A (HOERL et al.) 25 June 1996 Whole document	1, 5
A	US 5709187 A (JAEGER et al.) 20 January 1998 Whole document	5
A	US 4693084 A (AHRENS) 15 September 1987 Whole document	9

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Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos :
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos :
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos :
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

See additional sheet.

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☒ No protest accompanied the payment of additional search fees.

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Supplemental Box

(To be used when the space in any of Boxes I to VIII is not sufficient)

Continuation of Box No:

The international application does not comply with the requirements of unity of invention because it does not relate to one invention or to a group of inventions so linked as to form a single general inventive concept. In coming to this conclusion the International Searching Authority has found that there are different inventions as follows:

1. Claims 1 to 5 are directed to a component for a turbocharger including a turbo housing jacket. It is considered that turbo housing jacket comprises a first "special technical feature".
2. Claims 6 to 12 are directed to a flame trap housing, a fluid input assembly and an engine having the double skimmed flame trap housing. It is considered that the double skimmed flame trap housing comprises a second "special technical feature".

The feature common to all of the claims is a housing around a component allowing fluid to flow between the component's exterior and the housing. However this common feature is generic in the art. Consequently the common feature does not constitute "a special technical feature" within the meaning of PCT Rule 13.2, second sentence, since it makes no contribution over the prior art. Since there exists no other common feature which can be considered as a special technical feature within the meaning of PCT Rule 13.2, second sentence, no technical relationship within the meaning of PCT Rule 13 between the different inventions can be seen. Consequently it appears that a posteriori, the claims do not satisfy the requirement of unity of invention.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member				
JP	11022474	NONE					
US	4187678	AU	2374777	BR	7702261	DE	2715513
		ES	457664	FR	2347530	GB	1553584
		JP	52124545	SE	7704073		
DE	3439738	NONE					
US	5528902	WO	9324735	EP	643797	CN	1084247
US	5709187	NONE					
US	4693084	NONE					
END OF ANNEX							